

1. Simplify:

$$\frac{x^2 - 3x - 10}{x^2 + 6x + 8}; \quad x \neq -4, -2$$

A.  $-\frac{1}{2}x - \frac{5}{4}$

B.  $x^2 - \frac{1}{2}x - \frac{5}{4}$

C.  $\frac{x-5}{x+4}$

D.  $\frac{x+5}{x-4}$